

What we claim is:

1. A printer to be connected to a host machine, comprising:

job accepting means for accepting a job in a form of print job data from said host machine;

assigning means for issuing identifying information for the accepted job and assigning the issued identifying information;

generating means for generating, as a process for the job, image data on the basis of the print job data;

print means for control on print to a print recording medium on the basis of the generated image data as a process for the job; and

job managing means for managing the accepted job on the basis of the identifying information.

2. The printer according to claim 1, wherein said printer is to be connected to said host machine through an exclusive interface.

3. The printer according to claim 2, wherein said accepting means includes extracting means for extracting, on a job-unit basis, print job data from among a series of reception data accepted from said host machine through said exclusive interface,

said assigning means assigning identifying information to the extracted print job data.

4. The printer according to claim 2, further comprising spool means for storing the print job data assigned with the job identifying information to be outputted in a predetermined order,

said generating means interpreting the print job data to be outputted from said spool means and generating image data.

5. The printer according to claim 3 or 4, wherein said extracting means searches for predetermined language identifying information from among the series of reception data and specifies a language kind of the print job data to be extracted.

6. The printer according to claim 5, wherein said extracting means extracts print job data from among the series of reception data on the basis of end-edge pattern data corresponding to the specified language kind.

7. The printer according to any of claims 2 to 6, wherein said assigning means assigns identifying information containing interface identifying information representative of a kind of the exclusive interface.

8. The printer according to claim 1, further comprising job manage request accepting means for accepting a job manage request containing identifying information from said host machine.

9. The printer according to claim 8, wherein said job managing means specifies a predetermined job on the basis of

identifying information contained in the accepted job manage request.

10. The printer according to claim 9, wherein said job managing means controls at least any of said job accepting means, said generating means and said printing means to suspend from processing the job specified on the basis of the identifying information where the accepted job manage request is a cancel request.

11. The printer according to claim 10, wherein the respective ones of said job manage request accepting means, said generating means and said printing means process for a job other than the specified job where controlled by said job managing means to suspend a process for the specified job.

12. The printer according to claim 11, wherein said job managing means controls said printing means before controlling said job accepting means and said generating means.

13. The printer according to claim 8, wherein at least any of said job manage request accepting means, said generating means and said printing means notifies said job managing means of a status of a process for the job.

14. The printer according to claim 13, wherein job managing means notifies a predetermined host machine of the status of a process notified from at least any of said job accepting means, said generating means and said printing means.

15. The printer according to any of claims 2 to 14,

wherein said exclusive interface is at least any of a serial interface, a parallel interface and a USB interface.

16. A recording medium recording a program to realize a predetermined function for a printer having an exclusive interface connected to a host machine by an exclusive line connection, said program comprising:

an extracting function for extracting, on a job-unit basis, print job data from among a series of reception data received from said host machine through said exclusive interface;

an assigning function for assigning identifying information to the extracted print job data;

a spool function for outputting print job data assigned with the identifying information to a predetermined memory unit and reading out same in a predetermined order;

a generating function for imaging the print job data read out by said spool function and generating image data; and

a print control function for supplying the generated image data to a print engine.

17. A method for managing print job data comprising steps of:

a step of accepting a series of reception data from a host machine through an exclusive interface;

a step of extracting, on a job-unit basis, print job data from among the series of reception data accepted;

a step of assigning identifying information to the extracted print job data; and

a step of managing respective ones of the print job data on the basis of the assigned identifying information.

18. A method for controlling a printer having an exclusive interface to be connected to a host machine by exclusive line connection, comprising steps of:

a step of extracting, on a job-unit basis, print job data from among a series of reception data received from said unit through said exclusive interface;

a step of assigning job identifying information to the extracted print job data;

a step of outputting print job data assigned with the job identifying information to a predetermined memory unit and reading out same in a predetermined order;

a step of imaging the print job data read out by said spool function and generating image data; and

a step of printing to a print recording medium on the basis of the generated image data.

19. The printer according to claim 1, said printer is to be connected to a host machine on a network through a network interface.

20. The printer according to claim 19, further comprising job manage request accepting means for accepting a job manage request containing identifying information from

said host machine.

21. The printer according to claim 20, wherein said job managing means specifies a predetermined job on the basis of identifying information contained in the accepted predetermined job manage request.

22. The printer according to claim 21, wherein said job managing means controls at least any of said job accepting means, said generating means and said printing means to suspend from processing the job specified on the basis of the identifying information where the accepted job manage request is a job cancel request.

23. The printer according to claim 22, wherein the respective ones of said job manage request accepting means, said generating means and said printing means process for a job other than the specified job where controlled by said job managing means to suspend a process for the specified job.

24. The printer according to claim 23, wherein said job managing means controls said printing means before controlling said job accepting means and said generating means.

25. The printer according to claim 20, wherein at least any of said job manage request accepting means, said generating means and said printing means notifies said job managing means of a status of a process for the job.

26. The printer according to claim 25, wherein job managing means notifies a predetermined host machine of the

status of a process notified from at least any of said job accepting means, said generating means and said printing means.

27. A print system configured including a host machine and a printer, comprising:

said host machine having

first transmitting means for transmitting a print request based on application data to said printer;

first job managing means for transmitting a predetermined job manage request in response to the print request transmitted to said printer, and accepting job management information transmitted from said printer and controlling to display the accepted job management information on a screen;

said printer having

accepting means for accepting the print request as a job;  
issuing means for issuing identifying information for the accepted job;

generating means for generating image data based on the print job data, as a process for the job;

printing means for printing to a print recording medium on the basis of the generated image data, as a process for the job;

second job managing means for managing the accepted jobs in plurality on the basis of the identifying information;

wherein said second job managing means controls at least

of any of said first accepting means, said generating means and said printing means to suspend a process for a particular job where said first job managing means transmits a job manage request to cancel the particular job.

28. A print system configured including a host machine and a printer, comprising:

said host machine having

first transmitting means for transmitting a print request based on application data to said printer;

first job managing means for transmitting a predetermined job manage request in response to the print request transmitted to said printer, and accepting job management information transmitted from said printer and controlling to display the accepted job management information on a screen;

said printer having

accepting means for accepting the print request as a job;

issuing means for issuing identifying information for the accepted job;

generating means for generating image data based on the print job data, as a process for the job;

printing means for printing to a print recording medium on the basis of the generated image data, as a process for the job;

second job managing means for accepting a status of a



process for the job notified from at least any of said first accepting means, said generating means and said printing means;

wherein said second job managing means transmits a status of a process for the job to said first job managing means where accepting a status of a process for the job.

29. A method for controlling a printer, comprising steps of:

a first step of accepting a job in a form of print job data from a host machine;

a second step of generating image data on the basis of the print job data, as a process for the job;

a third step of printing to a print recording medium on the basis of the generated image data, as a process for the job;

wherein the printer controlling method further includes a step of issuing identifying information for the job accepted in the first step and a step of managing the accepted jobs in plurality on the basis of the identifying information.